

AMENDMENTS TO THE CLAIMS

1. (Currently amended) A method of osteochondral repair, comprising the steps of:
creating a recipient socket in bone having ~~an articular~~ a condylar surface to be repaired;
selecting an implant from a set of implants to match the ~~articular~~ condylar surface to be repaired, the set comprising a plurality of preformed implants having different curvatures and contours, each of the implants of the set comprising a cylindrical plug having a first end and a second opposing end, the first and second opposing ends being provided with a first surface and a second opposing surface, respectively, the first surface having a first curvature with a first radius and the second opposing surface having a second curvature with a second radius, the first radius being different from the second radius, opposing ends, so that each end being is provided with a surface, each surface having a different curvature from the surface at the opposing end of the implant; matching one of the first and second curvatures of the cylindrical plug with the condylar surface to be repaired;
and

inserting the implant into the recipient socket.

2. (Original) The method of claim 1, wherein the implant is formed of hydrogel.
3. (Original) The method of claim 2, wherein the hydrogel implant is secured into the recipient socket by disposing a suture net around the implant.
4. (Original) The method of claim 2, wherein the hydrogel implant is provided with a perforated surface to secure the implant in the recipient socket.
5. (Original) The method of claim 1, wherein the implant is formed of metal.
6. (Original) The method of claim 1, wherein the step of inserting the implant comprises loading the implant into a delivery tube and delivering the implant by hand into the recipient socket.
7. (Canceled)
8. (Previously presented) The method of claim 1, wherein the opposing surfaces of the implants have a different contour from each other.
9. (Previously presented) The method of claim 1, wherein the set of preformed of implants comprises at least two synthetic hydrogel implants, each implant having a different diameter.

Claims 10-13. (Canceled).